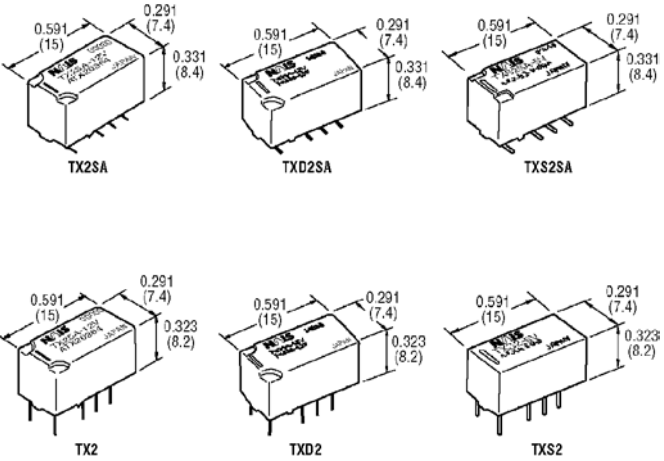


TX Series High Capacity Relays



2 amp. Breakdown Voltage: 2000 V between contacts and coil. Surge Voltage Withstand: 2500 V (Bellcore). 2 Form C contact arrangement. TXD is high insulation type; TXS is high sensitivity type. Operating Temperature: -40°C to +85°C. UL/CSA.

Surface Mount  
Single Side Stable

| Stock No. | Mfr.'s Type | Volts (DC) | Coil (Ω) | Power (mW) | EACH |       |         |
|-----------|-------------|------------|----------|------------|------|-------|---------|
|           |             |            |          |            | 1-49 | 50-99 | 100-499 |
| 788-1105  | TX2SA-4.5V  | 4.5        | 145.0    | 140        | 3.00 | 2.10  | 1.89    |
| 788-1034  | TX2SA-5V    | 5.0        | 178.0    | 140        | 3.00 | 2.10  | 1.89    |
| 788-1106  | TX2SA-12V   | 12.0       | 1028.0   | 140        | 3.00 | 2.10  | 1.89    |
| 788-1107  | TX2SA-24V   | 24.0       | 4114.0   | 140        | 3.54 | 2.48  | 2.23    |
| 788-1119  | TXD2SA-4.5V | 4.5        | 101.3    | 200        | 3.87 | 2.71  | 2.43    |
| 788-1120  | TXD2SA-5V   | 5.0        | 125.0    | 200        | 3.87 | 2.71  | 2.43    |
| 788-1121  | TXD2SA-12V  | 12.0       | 720.0    | 200        | 3.87 | 2.71  | 2.43    |
| 788-1122  | TXD2SA-24V  | 24.0       | 2504.3   | 230        | 4.38 | 3.06  | 2.76    |
| 788-1137  | TXS2SA-4.5V | 4.5        | 405.0    | 50         | 3.72 | 2.61  | 2.35    |
| 788-1138  | TXS2SA-12V  | 12.0       | 2880.0   | 50         | 3.72 | 2.61  | 2.35    |
| 788-1139  | TXS2SA-24V  | 24.0       | 8229.0   | 70         | 4.41 | 3.08  | 2.78    |

1 Coil Latching

|          |               |      |         |     |      |      |      |
|----------|---------------|------|---------|-----|------|------|------|
| 788-1123 | TXD2SA-L-4.5V | 4.5  | 135.0   | 150 | 4.33 | 3.03 | 2.72 |
| 788-1124 | TXD2SA-L-5V   | 5.0  | 166.7   | 150 | 4.33 | 3.03 | 2.72 |
| 788-1125 | TXD2SA-L-12V  | 12.0 | 960.0   | 150 | 4.33 | 3.03 | 2.72 |
| 788-1126 | TXD2SA-L-24V  | 24.0 | 3388.2  | 170 | 4.72 | 3.30 | 2.98 |
| 788-1140 | TXS2SA-L-4.5V | 4.5  | 579.0   | 35  | 4.26 | 2.98 | 2.69 |
| 788-1141 | TXS2SA-L-12V  | 12.0 | 4114.0  | 35  | 4.26 | 2.98 | 2.69 |
| 788-1142 | TXS2SA-L-24V  | 24.0 | 11520.0 | 50  | 4.50 | 3.15 | 2.84 |

2 Coil Latching

|          |                |      |        |     |      |      |      |
|----------|----------------|------|--------|-----|------|------|------|
| 788-1108 | TX2SA-L2-4.5V  | 4.5  | 101.2  | 200 | 3.72 | 2.61 | 2.35 |
| 788-1035 | TX2SA-L2-5V    | 5.0  | 145.0  | 200 | 3.72 | 2.61 | 2.35 |
| 788-1109 | TX2SA-L2-12V   | 12.0 | 720.0  | 200 | 3.72 | 2.61 | 2.35 |
| 788-1110 | TX2SA-L2-24V   | 24.0 | 2880.0 | 200 | 4.18 | 2.93 | 2.63 |
| 788-1143 | TXS2SA-L2-4.5V | 4.5  | 289.0  | 70  | 4.38 | 3.08 | 2.78 |
| 788-1144 | TXS2SA-L2-12V  | 12.0 | 2057.0 | 70  | 4.41 | 3.08 | 2.78 |
| 788-1145 | TXS2SA-L2-24V  | 24.0 | 3840.0 | 150 | 5.01 | 3.51 | 3.16 |

Through Hole

Single Side Stable

|          |           |      |        |     |      |      |      |
|----------|-----------|------|--------|-----|------|------|------|
| 788-1100 | TX2-4.5V  | 4.5  | 145.0  | 140 | 2.90 | 2.03 | 1.82 |
| 788-1031 | TX2-5V    | 5.0  | 178.0  | 140 | 2.90 | 2.03 | 1.82 |
| 788-1030 | TX2-12V   | 12.0 | 1028.0 | 140 | 2.90 | 2.03 | 1.82 |
| 788-1101 | TX2-24V   | 24.0 | 4114.0 | 140 | 3.44 | 2.41 | 2.17 |
| 788-1111 | TXD2-4.5V | 4.5  | 101.3  | 200 | 3.72 | 2.61 | 2.35 |
| 788-1112 | TXD2-5V   | 5.0  | 125.0  | 200 | 3.72 | 2.61 | 2.35 |
| 788-1113 | TXD2-12V  | 12.0 | 720.0  | 200 | 3.72 | 2.61 | 2.35 |
| 788-1114 | TXD2-24V  | 24.0 | 2504.3 | 230 | 4.23 | 2.97 | 2.67 |
| 788-1033 | TXS2-4.5V | 4.5  | 405.0  | 50  | 3.63 | 2.54 | 2.29 |
| 788-1127 | TXS2-6V   | 6.0  | 720.0  | 50  | 3.63 | 2.54 | 2.29 |
| 788-1128 | TXS2-12V  | 12.0 | 2880.0 | 50  | 3.63 | 2.54 | 2.29 |
| 788-1129 | TXS2-24V  | 24.0 | 8229.0 | 70  | 4.27 | 2.99 | 2.68 |

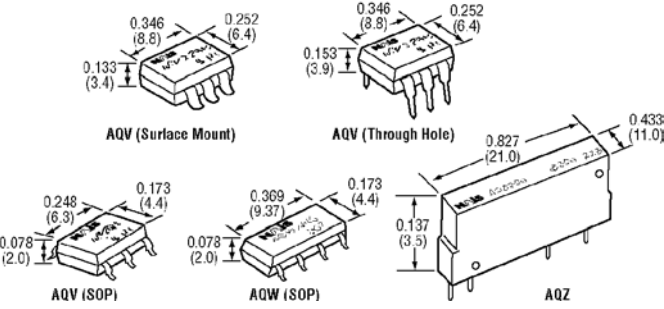
1 Coil Latching

|          |             |      |         |     |       |      |      |
|----------|-------------|------|---------|-----|-------|------|------|
| 788-1115 | TXD2-L-4.5V | 4.5  | 135.0   | 150 | 4.21  | 2.95 | 2.65 |
| 788-1116 | TXD2-L-5V   | 5.0  | 166.7   | 150 | 4.25  | 2.95 | 2.65 |
| 788-1117 | TXD2-L-12V  | 12.0 | 960.0   | 150 | 4.21  | 2.95 | 2.65 |
| 788-1118 | TXD2-L-24V  | 24.0 | 3388.2  | 170 | 4.63  | 3.24 | 2.92 |
| 788-1130 | TXS2-L-4.5V | 4.5  | 579.0   | 35  | 4.15  | 2.91 | 2.61 |
| 788-1131 | TXS2-L-6V   | 6.0  | 1029.0  | 35  | 10.13 | 7.10 | 6.37 |
| 788-1132 | TXS2-L-12V  | 12.0 | 4114.0  | 35  | 4.27  | 2.99 | 2.69 |
| 788-1133 | TXS2-L-24V  | 24.0 | 11520.0 | 50  | 4.91  | 3.44 | 3.10 |

2 Coil Latching

|          |             |      |        |     |      |      |      |
|----------|-------------|------|--------|-----|------|------|------|
| 788-1102 | TX2-L2-4.5V | 4.5  | 101.2  | 200 | 3.63 | 2.54 | 2.29 |
| 788-1032 | TX2-L2-5V   | 5.0  | 145.0  | 200 | 3.63 | 2.54 | 2.29 |
| 788-1103 | TX2-L2-12V  | 12.0 | 720.0  | 200 | 3.63 | 2.54 | 2.29 |
| 788-1104 | TX2-L2-24V  | 24.0 | 2880.0 | 200 | 4.09 | 2.86 | 2.57 |
| 788-1135 | TXS2-L2-12V | 12.0 | 2057.0 | 70  | 3.63 | 2.54 | 2.28 |
| 788-1136 | TXS2-L2-24V | 24.0 | 3840.0 | 150 | 4.09 | 2.86 | 2.58 |

PhotoMOS Solid State Relays



Combine the advantages of solid state and mechanical relays and offer excellent performance in a complete line-up. Through hole and surface mount types, SOP types, high isolation types. H in Mfr.'s Type indicates reinforced I/O isolation types. Low capacitance type (CxR=20). Power PhotoMOS types. Also, high sensitivity, multi-channel, Soft-ON/Soft-OFF types. Current limiting types.

Surface Mount

| Stock No. | Mfr.'s Type | Volts AC/DC | On (Ω) | Output Power (mW) | Contact Arrangement | EACH |       |         |
|-----------|-------------|-------------|--------|-------------------|---------------------|------|-------|---------|
|           |             |             |        |                   |                     | 1-49 | 50-99 | 100-499 |
| 788-1146  | AQV101A     | 40          | 0.50   | 360               | 1 Form A            | 5.61 | 3.93  | 3.53    |
| 788-1147  | AQV102A     | 60          | 0.70   | 360               | 1 Form A            | 5.61 | 3.93  | 3.53    |
| 788-1148  | AQV201A     | 40          | 1.00   | 360               | 1 Form A            | 6.31 | 4.41  | 3.97    |
| 788-1149  | AQV203A     | 250         | 8.00   | 360               | 1 Form A            | 6.31 | 4.41  | 3.97    |
| 788-1150  | AQV210EA    | 350         | 35.00  | 500               | 1 Form A            | 2.44 | 1.71  | 1.54    |
| 788-1038  | AQV210EHA   | 350         | 35.00  | 500               | 1 Form A            | 2.66 | 1.87  | 1.68    |
| 788-1151  | AQV212A     | 60          | 2.50   | 500               | 1 Form A            | 3.86 | 2.70  | 2.43    |
| 788-1152  | AQV214A     | 400         | 50.00  | 500               | 1 Form A            | 3.86 | 2.70  | 2.43    |
| 788-1153  | AQV214EA    | 400         | 50.00  | 500               | 1 Form A            | 2.66 | 1.86  | 1.68    |
| 788-1154  | AQV214EHA   | 400         | 50.00  | 500               | 1 Form A            | 2.66 | 1.87  | 1.68    |
| 788-1155  | AQV221A     | 40          | 35.00  | 230               | 1 Form A            | 4.33 | 3.03  | 2.72    |
| 788-1156  | AQV234A     | 400         | 50.00  | 500               | 1 Form A            | 4.99 | 3.50  | 3.14    |
| 788-1157  | AQV251A     | 40          | 1.00   | 360               | 1 Form A            | 4.87 | 3.41  | 3.07    |
| 788-1158  | AQV252A     | 60          | 1.40   | 360               | 1 Form A            | 4.87 | 3.41  | 3.07    |
| 788-1159  | AQV253A     | 250         | 8.00   | 360               | 1 Form A            | 4.87 | 3.41  | 3.07    |
| 788-1160  | AQV254A     | 400         | 16.00  | 360               | 1 Form A            | 4.87 | 3.41  | 3.07    |
| 788-1167  | AQW614A     | 400         | 50.00  | 800               | 1 Form A            | 8.06 | 5.64  | 5.08    |
| 788-1161  | AQV414A     | 400         | 50.00  | 500               | 1 Form B            | 4.27 | 2.99  | 2.68    |
| 788-1162  | AQV414EHA   | 400         | 50.00  | 500               | 1 Form B            | 4.26 | 2.98  | 2.68    |
| 788-1168  | AQW614EHA   | 400         | 50.00  | 800               | 1 Form B            | 5.46 | 3.82  | 3.44    |
| 788-1163  | AQW214A     | 400         | 50.00  | 800               | 2 Form A            | 6.43 | 4.50  | 4.05    |
| 788-1164  | AQW214EHA   | 400         | 50.00  | 800               | 2 Form A            | 5.59 | 3.91  | 3.52    |
| 788-1165  | AQW414A     | 400         | 50.00  | 800               | 2 Form B            | 8.06 | 5.64  | 5.08    |
| 788-1166  | AQW414EHA   | 400         | 50.00  | 800               | 2 Form B            | 6.95 | 4.87  | 4.37    |

Through Hole

|          |           |     |       |     |          |      |      |      |
|----------|-----------|-----|-------|-----|----------|------|------|------|
| 788-1248 | AQV101    | 40  | 0.50  | 360 | 1 Form A | 5.61 | 3.93 | 3.53 |
| 788-1249 | AQV102    | 60  | 0.70  | 360 | 1 Form A | 5.61 | 3.93 | 3.53 |
| 788-1250 | AQV201    | 40  | 1.00  | 360 | 1 Form A | 6.31 | 4.41 | 3.97 |
| 788-1251 | AQV203    | 250 | 8.00  | 360 | 1 Form A | 6.31 | 4.41 | 3.97 |
| 788-1036 | AQV210E   | 350 | 35.00 | 500 | 1 Form A | 2.42 | 1.70 | 1.53 |
| 788-1037 | AQV210EH  | 350 | 35.00 | 500 | 1 Form A | 2.60 | 1.83 | 1.64 |
| 788-0260 | AQW210S   | 350 | 35.00 | 600 | 2 Form A | 6.39 | 4.79 | 4.36 |
| 788-1252 | AQW212    | 60  | 2.50  | 500 | 1 Form A | 3.86 | 2.70 | 2.43 |
| 788-1253 | AQV214    | 400 | 50.00 | 500 | 1 Form A | 3.86 | 2.70 | 2.43 |
| 788-1254 | AQV214E   | 400 | 50.00 | 500 | 1 Form A | 2.42 | 1.70 | 1.53 |
| 788-1039 | AQV214EH  | 400 | 50.00 | 500 | 1 Form A | 2.60 | 1.83 | 1.64 |
| 788-1255 | AQV221    | 40  | 35.00 | 230 | 1 Form A | 4.30 | 3.03 | 2.71 |
| 788-1257 | AQV234    | 400 | 50.00 | 500 | 1 Form A | 4.98 | 3.51 | 3.14 |
| 788-1256 | AQV251    | 40  | 1.00  | 360 | 1 Form A | 4.87 | 3.41 | 3.07 |
| 788-1041 | AQV252    | 60  | 1.40  | 360 | 1 Form A | 4.87 | 3.41 | 3.07 |
| 788-1258 | AQV253    | 250 | 8.00  | 360 | 1 Form A | 4.87 | 3.41 | 3.07 |
| 788-1259 | AQV254    | 400 | 16.00 | 360 | 1 Form A | 4.87 | 3.41 | 3.07 |
| 788-1266 | AQW614    | 400 | 50.00 | 800 | 1 Form A | 8.06 | 5.64 | 5.08 |
| 788-1260 | AQV414    | 400 | 50.00 | 500 | 1 Form B | 4.27 | 2.99 | 2.68 |
| 788-0245 | AQV414E   | 400 | 20.00 | 450 | 1 Form B | 3.58 | 2.69 | 2.44 |
| 788-0250 | AQV414EA  | 400 | 20.00 | 450 | 1 Form B | 3.58 | 2.69 | 2.44 |
| 788-1261 | AQV414EH  | 400 | 50.00 | 500 | 1 Form B | 4.12 | 2.88 | 2.59 |
| 788-1267 | AQW614EH  | 400 | 50.00 | 800 | 1 Form B | 5.73 | 4.01 | 3.61 |
| 788-0230 | AQW210EH  | 350 | 35.00 | 450 | 2 Form A | 4.90 | 3.67 | 3.34 |
| 788-0235 | AQW210EHA | 350 | 35.00 | 450 | 2 Form A | 4.90 | 3.67 | 3.34 |
| 788-1262 | AQW214    | 400 | 50.00 | 800 | 2 Form A | 6.43 | 4.50 | 4.05 |
| 788-0255 | AQY210EH  | 350 | 35.00 | 450 | 1 Form A | 2.54 | 1.90 | 1.73 |
| 788-0240 | AQW214EH  | 400 | 50.00 | 800 | 2 Form A | 5.58 | 3.89 | 3.54 |
| 788-1264 | AQW414    | 400 | 50.00 | 800 | 2 Form B | 9.40 | 6.58 | 5.92 |
| 788-1265 | AQW414EH  | 400 | 50.00 | 800 | 2 Form B | 6.95 | 4.87 | 4.37 |

SOP Types

|          |          |     |       |     |           |      |      |      |
|----------|----------|-----|-------|-----|-----------|------|------|------|
| 788-1169 | AQV210S  | 350 | 35.00 | 450 | 1 Form A  | 4.09 | 2.86 | 2.57 |
| 788-1170 | AQV212S  | 60  | 2.50  | 450 | 1 Form A  | 4.09 | 2.86 | 2.57 |
| 788-1040 | AQV214S  | 400 | 50.00 | 450 | 1 Form A  | 4.09 | 2.86 | 2.57 |
| 788-1171 | AQW210TS | 350 | 35.00 | 450 | 2-Channel | 5.64 | 3.95 | 3.55 |
| 788-1172 | AQW214S  | 400 | 50.00 | 450 | 2-Channel | 6.87 | 4.81 | 4.33 |
| 788-0265 | AQY210S  | 350 | 35.00 | 300 | 1 Form A  | 3.94 | 2.96 | 2.69 |
| 788-0270 | AQV214S  | 400 | 50.00 | 300 | 1 Form A  | 3.94 | 2.96 | 2.69 |
| 788-0275 | AQY414S  | 400 | 50.00 | 300 | 1 Form B  | 4.40 | 3.30 | 3.00 |
| 788-1173 | AQV414S  | 400 | 50.00 | 450 | 1 Form B  | 4.56 | 3.19 | 2.87 |

AQZ Power PhotoMOS Relays

|          |        |     |      |      |          |      |      |      |
|----------|--------|-----|------|------|----------|------|------|------|
| 788-1174 | AQZ102 | 60  | 0.09 | 1350 | 1 Form A | 8.41 | 5.88 | 5.30 |
| 788-1175 | AQZ202 | 60  | 0.18 | 1600 | 1 Form A | 9.13 | 6.39 | 5.75 |
| 788-1176 | AQZ204 | 400 | 3.20 | 1600 | 1 Form A | 9.13 | 6.39 | 5.75 |
| 788-1177 | AQZ205 | 100 | 0.34 | 1600 | 1 Form A | 8.69 | 6.08 | 5.47 |
| 788-1178 | AQZ207 | 200 | 1.10 | 1600 | 1 Form A | 8.69 | 6.08 | 5.47 |