



R56 Series General Purpose DIP Reed Relays, DC Operated

- Features**

 - Standard Industry Packaging
 - Internal Clamping Diode Version (D-Suffix)
 - Separate Time: 330 µs Max.
- Electrical Specifications**

 - Release Time: 75 µs Max.
 - Max. Current: 0.50 A
 - Operating Temperature: -45° to +85°C

DC Operated							
Stock No.	Mfr.'s Type	Nominal Voltage	Contact Arrangement	Coil Res. Ω (Typ.)	Max. Pickup	Min. Drop Out	EACH
235-7562	R56-5D-5-6	6 VDC	SPDT	180	4.5 VDC	0.5 VDC	6.10
235-7560	R56-7D-5-6D	5 VDC	DPST-NO	200	3.8 VDC	0.8 VDC	4.54
235-7564	R56S-5D-5-12D	12 VDC	SPDT	500	8.0 VDC	1.0 VDC	6.36

R46 Series General Purpose Relays

- Features**

 - All Sealed and Resistant to Wave Soldering and Cleaning
 - Less Than 0.53 Cubic Inches
- Electrical Specifications**

 - Operating Time: 10 mS Max.
 - Release Time: 5 mS Max.
 - Operating Temperature: -25° to +70°C

DC Operated							
Stock No.	Mfr.'s Type	Nominal Voltage	Contact Arrangement	Coil Res. Ω (Typ.)	Nominal Power	Max. Contact Current @ 30 VDC	EACH
235-7700	R46-5D12-6	6 VDC	SPDT	100	360 mW	12 A	3.19
235-7702	R46-5D12-12	12 VDC	SPDT	100	360 mW	12 A	3.19

R51 Series Automotive Relays

- Features**

 - Industry Standard Pinout
 - 0.250" Quick Connect Terminals
- Electrical Specifications**

 - Operating Time: 7 mS Max.
 - Release Time: 2 mS Max.
 - Operating Temperature: -40°C to 125°C

Stock No.	Mfr.'s Type	Nominal Voltage	Contact Arrangement	Coil Res. Ω (Typ.)	Nominal Power	Max. Contact Current @ 14 VDC	EACH
235-0508	R51-1D40-12F	12 VDC	SPST-NO	90	1.6 W	40 A	5.72
235-0510	R51-1D70-12	12 VDC	SPST-NO	72	2.0 W	70 A	7.06
235-0506	R51-5D40-12F	12 VDC	SPDT	90	1.6 W	40 A	6.92

R40 Series Sensitive Coil Single Contact Relays

- Features**

 - Epoxy Sealed
 - Ultra-Sensitive Coil
 - Standard 0.100" DIP PC Mount Terminal
- Electrical Specifications**

 - Operating Time: 4.5 mS Approx.
 - Release Time: 1.5 mS Approx.
 - Operating Temperature: -40° to +70°C

Stock No.	Mfr.'s Type	Nominal Voltage	Contact Arrangement	Coil Res. Ω (Typ.)	Nominal Power	Max. Contact Current @ 28 VDC	EACH
235-0036	R40-11D2-5/6	5/6 VDC	DPDT	167	0.15 W	2 A	4.74
235-0037	R40-11D2-12	12 VDC	DPDT	960	0.15 W	2 A	5.28
235-0038	R40-11D2-24	24 VDC	DPDT	2880	0.20 W	2 A	4.74

Relay and Circuit Breaker Catalog

- Over 3000 New Cross References, Now Totaling over 44,000
 - Seven Entirely New Series
 - Twelve New R17 Types, 10 Amp Industrial Plug-In Relays
 - Two New R64 Types, Programmable AC or DC Multifunctional Time Delay Relays
- Four New R66 Types, 10 Amp Alternating Relays
 - Three New R67 Types, 10 Amp Voltage Monitoring Relays
 - Two New R68 Types, 10 Amp Phase Monitoring Relays
 - Two New RS4 Types, PC Board Solid State Relays
 - Four New RB Types, AC Buzzers

NTE is proud to introduce the sixth edition of its Relay, Circuit Breakers, and Accessories Technical Guide and Cross Reference. Fully updated, this new catalog lists NTE replacements for more than 44,000 industry part numbers. NTE's extensive line of UL and CSA listed relays and circuit breakers now includes the seven new series listed above and additional types added to the following series: R02 types with mechanical indicators, R04 types with SPST-NO contacts, R10 types with SPDT and 3PDT contacts, R12 types with 3PDT contacts, hermetically sealed types and more coil voltage selections, R14 types with 3PDT and 4PDT contacts, R16 types with PC mount option, R45 types with flange mount option, R46 types with 48 VDC coils, R48 types with a low power coil option and R55 types with flange mount option.

235-0201, RC-006.....EACH 5.25

RS4 Series Solid State Relay, 1 Amp

- Features**

 - Current or Voltage Input Types
 - SCR Output
 - Zero Crossing Switching
 - Standard 16-Lead DIP Type Package with Four Pins
- Electrical Specifications**

 - Operating Temperature: -30°C to +80°C

Stock No.	Mfr.'s Type	Input Specifications			EACH
		Control Current Range	Must Turn On Current	Must Turn Off Current	
235-7600	RS4-1D1-A	10-35 mA	10.0 mA	1.0 mA	8.94

Stock No.	Mfr.'s Type	Input Specifications			EACH
		Control Voltage Range	Must Turn On Voltage	Must Turn Off Voltage	
235-7602	RS4-1D1-B	3.5-10 VDC	3.5 VDC	1.0 VDC	9.38

RS1 Series Solid State Relay, 4 Amp

- Features**

 - Industry Standard Package
 - Thick Film Hybrid Construction
 - 4 kV Optical Isolation
 - PC Board Mountable
- Electrical Specifications**

 - Response Time: 0.5 Cycle
 - Input Current: 25 mA DC Max.
 - On-State Voltage Drop: 1.6 V Peak
 - Operating Temperature: -30° to +80°C

Stock No.	Mfr.'s Type	Input Parameters			Output Parameters			EACH
		Control Voltage VDC	Min. Turn On Voltage VDC	Drop Out Voltage VDC	Line Voltage Range VAC	Max. On-State Current	Max. 1-Cycle Surge	
235-0045	RS1-1D4-21	3-24	3	1	24-280	3.5 A	100 A	11.91

RS3 Series Solid State Heavy Duty Power Relays

- Features**

 - Back-to-Back Dual SCRs
 - TRIAC Version (T Suffix)
 - Panel Mount
- Electrical Specifications**

 - Input Current: 4 mA DC Max
 - On-State Voltage Drop: 1.6 V Peak

Stock No.	Mfr.'s Type	Input Parameters			Output Parameters			EACH
		Control Voltage VDC	Min. Turn On Voltage VDC	Drop Out Voltage VDC	Line Voltage Range VAC	Max. On-State Current	Max. 1-Cycle Surge	
235-0046	RS3-1D10-51	3-32	3	1	24-330	10 A	40 A	17.81
235-0047	RS3-1D25-24T	3-32	3	1	48-280	25 A	215 A	24.45
235-0048	RS3-1D40-21	3-32	3	1	80-530	40 A	600 A	35.06
235-0120	RS3-1D75-21	3-32	—	—	24-280	75 A	700 A	67.20

AC Operated — NEW —								
Stock No.	Mfr.'s Type	Input Parameters			Output Parameters			EACH
		Control Voltage VAC	Min. Turn On Voltage VAC	Drop Out Voltage VAC	Line Voltage Range VAC	Max. On-State Current	Max. 1-Cycle Surge	
235-0105	RS3-1A10-52	90-280	80	20	24-330	10 A	40 A	19.33
235-0110	RS3-1A25-42	90-280	90	10	48-280	25 A	245 A	56.65
235-9991	RS3-1A40-22	90-280	90	10	48-280	40 A	245 A	38.17

