

FEATURES

- RoHS compliant
- IEEE 802.5 compatible
- Industry-standard footprint

DESCRIPTION

These devices are designed to provide transformer coupling between the Ring Interface Circuit and the Medium Interface Cable in IEEE 802.5 Token Ring interface applications. The devices are capable of working at data rates of 1 to 16Mbps and can transmit the non-data J and K symbols. The turns ratios are precisely controlled to enable accurate centre taps to be formed when required. Ratios of 1:1:1:1 and 1:1:2:2 are available in a 8 pin DIL package style. All devices offer isolation of 700VDC and are supplied in packages using UL 94V-0 rated materials.



For full details go to
www.murata-ps.com/rohs

SELECTION GUIDE

Order Code	Turns Ratio	Isolation Voltage V _{DC}	Insertion Loss (Typ.)	Common Mode Rejection Ratio (Typ.)	Rise Time (Typ.)	Propagation Delay (Typ.)
			100kHz-12MHz, 1.0Vrms dB	1MHz, 0.5Vrms dB	4MHz, 5Vp-p ns	4MHz, 5Vp-p ns
1638C	1:1:2:2	700	0.2	67	5.0	2.5
1639C	1:1:1:1					

ABSOLUTE MAXIMUM RATINGS

Operating free air temperature range	0°C to 70°C
Storage temperature range	-60°C to 125°C

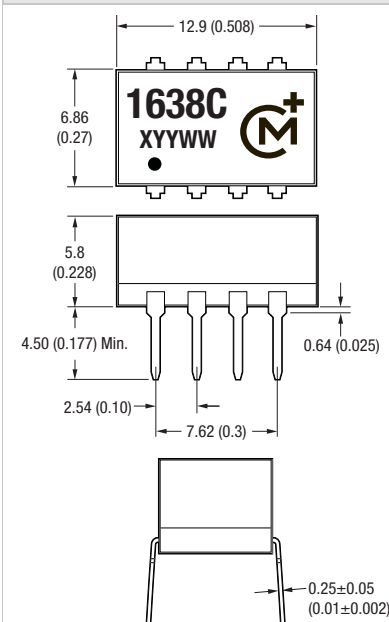
SOLDERING INFORMATION¹

Peak wave solder temperature, 1.5mm from case	300°C
Pin finish	Tin

¹ For further information, please visit www.murata-ps.com/rohs
All specifications typical at T_A=25°C.

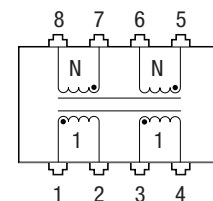
PACKAGE SPECIFICATIONS

MECHANICAL DIMENSIONS



PIN CONNECTIONS

8 PIN DIL



Unless otherwise stated all dimensions in mm (inches) ±0.25 (0.01).

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