



Sample Kit

Industrial Single Pair Ethernet

Inductors for
10BASE-T1L PoDL Technology



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Industrial Single Pair Ethernet

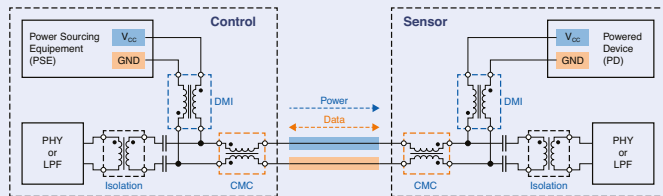
Function	Ordering code	L_R/L_{PoDL} μH	IEEE 802.3cg power class	APL power class	$I_{\text{sat, typ}}$ mA	$R_{\text{DC, typ}}$ Ω	I_R , typ mA	$l \times w \times h$ mm
CMC	RCM70CGI-471	470				0.17	700	7.1 x 6.0 x 4.8
Isolation	ICI70CGI-102	1000				0.16		7.1 x 6.0 x 4.8
Isolation	ICI70CGI-222	2200				0.42		7.1 x 6.0 x 4.8
DMI	PID75-251M	2x250/1000	10	A, C	360	2.25	270	7.5 x 7.5 x 4.8
DMI	PID100-251M	2x250/1000	11, 13		645	1.13	460	10.4 x 10.4 x 6.3
DMI	PID120L-251M	2x250/1000	11, 13, 14		910	0.65	650	12.5 x 12.5 x 8.5
DMI	PID120H-251M	2x250/1000	13, 14		1160	0.41	820	12.5 x 12.5 x 10.5
DMI	PID150H-251M	2x250/1000	12, 14		1200	0.27	1200	15.5 x 15.5 x 14.5
DMI	PIS150H-471M	470/940*	15	3, 4	2300	0.25	1810	15.5 x 15.5 x 14.5

Features:

- Temperature range up to 150 °C
- High rated current
- RoHS-compatible
- Suitable for leadfree reflow soldering (JEDEC J-STD-020E)

CMC: Common-mode choke
DMI: Differential mode inductor

*when used 2x, I_R and R_{DC} measured with windings in parallel



Important information: It is incumbent on the customer to check and decide whether a product is suitable for use in a particular application. Our products are described in detail in our data sheets. Our *Important notes* and the product-specific *Cautions and warnings* must be observed. All relevant information is available through our sales offices.

