100BX Module for Multi-port Applications

EPF8075S

- Recommended for ML6673 •
- Guaranteed to operate with 8 mA DC bias at 70°C •
- Complies with or exceeds IEEE 802.3, 100BX standards •

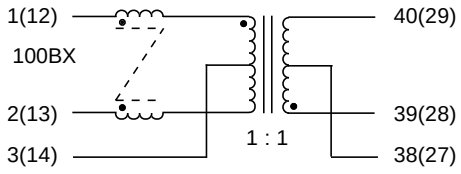
Electrical Parameters @ 25° C

OCL @ 70°C	**Insertion Loss** (dB Max.)						**Return Loss** (dB Min.)						**Common Mode Rejection** (dB Min.)						**Crosstalk** (dB Min.) [Between Channels]
100 KHz, 0.1 Vrms 8 mA DC Bias	100 KHz (1)		1-80 MHz		100 MHz		1-30 MHz		60 MHz		100 MHz		1-100 MHz		200-300 MHz		400-500 MHz		1-100 MHz
Cable Side	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	Xmit	Rcv	
350µH	-0.5	-0.5	-1	-1	-1.5	-1.5	-18	-18	-12	-12	-10	-10	-50	-40	-35	-25	-20	-15	-35

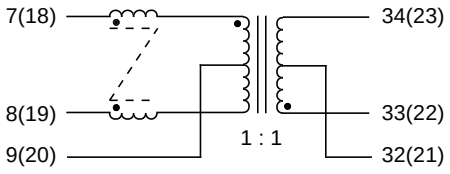
• **Isolation** : 1500 Vrms • **Impedance** : 100 Ω •
• **(1)** When measured with Baluns having lower Cut-off Frequency of 10 KHz •

Schematic

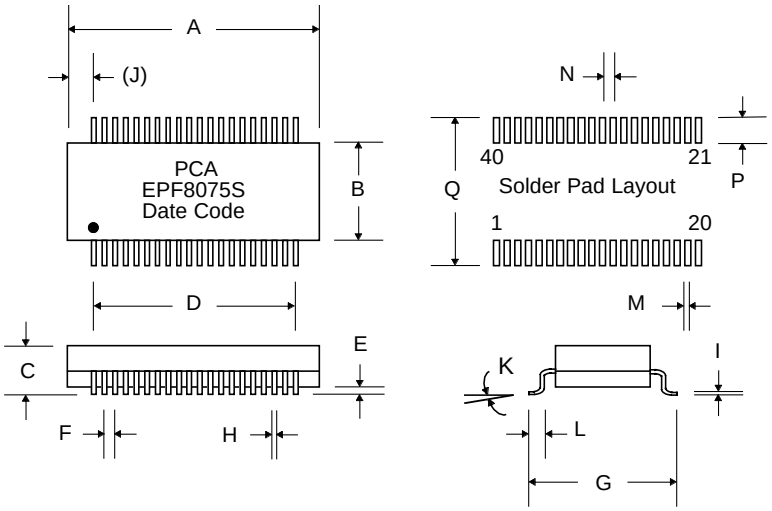
Transmit Channel



Receive Channel



Package



Dimensions

Dim.	(Inches) Min.	Max.	Nom.	(Millimeters) Min.	Max.	Nom.
A	1.110	1.130		28.19	28.70	
B	.470	.490		11.94	12.45	
C	.235	.255		5.97	6.48	
D	.950	Typ.		24.13	Typ.	
E	.005	.015		.127	.381	
F	.050	Typ.		1.27	Typ.	
G	.580	.600		14.73	15.24	
H	.016	.022.		.406	.559	
I	.008	.012		.203	.305	
J	.085	Typ.		2.16	Typ.	
K	0°	8°		0°	8°	
L	.025	.035		.635	.889	
M			.030			.762
N			.050			1.27
P			.090			2.29
Q			.670			17.02

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