

MOX-RJ45-X SERIES



10/100 BASE-T RJ45 1 X N TAB DOWN WITH INTEGRATED MAGNETICS

- Available with or without LEDs.
- Available in 2, 4, 6 or 8 package types.
- RoHS NL peak solder rating 235°C.
- Suitable for CAT5 & 6 fast ethernet cable or better UTP.
- Meets or exceeds IEEE 802.3 standard for 100Base -T
- 350uH minimum OCL with 8 mA bias current.
- RoHS compliant.
- Operating temperature: 0°C to +70°C.
- Industrial temperature range of -40°C to +85°C available.
- MoxiE custom designs available.



ELECTRICAL SPECIFICATIONS @ 25°C

MoxiE Part Number	Turns Ratio		Insertion Loss (dB typical)				Return Loss (dB typical) 100Ω±15Ω			Crosstalk (dB typical)			Common Mode Rejection (dB typical)		Hi-Pot (Vrms)
	TX	RX	0.1-100 MHz	1-10 MHz	30 MHz	60-100 MHz	1-10 MHz	30-60 MHz	60-100 MHz	1-50 MHz	50-130 MHz	@60Hz	1MIN		
MOX-RJ45-X-01	1CT:1CT	1CT:1CT	-1.2	-18.0	-16.0	-12.0	-40.0	-35.0	-30.0	-30.0	.20.0	1500			
MOX-RJ45-X-02	1CT:1CT	1CT:1CT	-1.2	-18.0	-16.0	-12.0	-40.0	-35.0	-30.0	-30.0	.20.0	1500			
MOX-RJ45-X-03	1CT:1CT	1CT:1CT	-1.2	-18.0	-16.0	-12.0	-40.0	-35.0	-30.0	-30.0	.20.0	1500			
MOX-RJ45-X-04	1CT:1CT	1CT:1CT	-1.2	-18.0	-16.0	-12.0	-40.0	-35.0	-30.0	-30.0	.20.0	1500			

MOXIE MATERIAL SPECIFICATIONS

SHIELD		CONTACT			CASE HOUSING		MSL RATING
Material	Finish	Material	Plating Area	Solder Area	Material	Specification	
Brass	20-40μ inches thick nickel over Brass	Phosphor Bronze	30μ inches gold over 30-80μ inches nickel	75-300μ inches tin-lead over 75-300μ inches nickel	Thermoplastic	UL 94 V-0	1

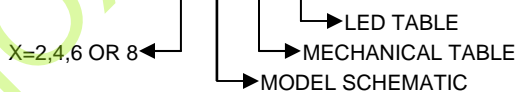
MOXIE MECHANICAL OPTIONS

A	WITH LED AND EMI-FINGER
B	WITH LED AND NON EMI-FINGER
C	WITHOUT LED AND WITH EMI-FINGER
D	WITHOUT LED AND EMI-FINGER

MOXIE LED ORDERING OPTIONS

LED CODE	LED COLOR		LED POLARITY
	Y	G	
A	Y	G	9° →
B	G	Y	10° →
			12° →
C	G	G	11° →
D	Y	G	9° →
E	G	Y	10° →
			11° →
F	G	G	12° →

MOX-RJ45 X XX X X



MOX-RJ45-X SERIES

10/100 BASE-T RJ45 1 X N TAB DOWN WITH INTEGRATED MAGNETICS



SCHEMATICS

