



PART NO. : TG22-S137NDRL

16PIN SURFACE MOUNT 10/100BASE-T ISOLATION MODULE WITH AUTO TRANSFORMER ON TRANSMIT CHANNEL FOR IMPROVED COMMON MODE TERMINATION

LEAD-FREE/ROHS COMPLIANT

COMPATIBLE TO LEAD-FREE SOLDERING PROCESS CONDITION PER IPC/JEDEC J-STD-020C

OPERATING TEMPERATURE 0/+70°C

ELECTRICAL SPECIFICATIONS @25° C

TURNS RATIO

TX P16-15:P10-11

1.25CT:1CT±3%

RX P1-2:P7-6

1CT:1CT±3%

OCL (100KHz,0.1Vrms,8mA)
Cable Side

350µH min

DCR

0.9Ω max

LL P6-7,P10-11

0.35µH max

Cw/w

20pF typ

CROSSTALK 0.1-100MHz

-38dB min

CMR 0.1-100MHz

-40dB typ

ISOLATION

1,500Vrms

DIMENSIONS: Inch[mm]
CO-PLANARITY: 0.004[0.10]
TOLERANCES: ±0.005 INCH IF NOT SPECIFIED



HALO/PBL

CALIFORNIA, USA
KOWLOON, HONG KONG
SINGAPORE

TITLE	ISOLATION MODULE		SIGNATURES	DATE	REV.	DESC.	DATE
	FOR	FAST ETHERNET	DRAWN PETER LU	11/18/05	A		
	PART NO.	TG22-S137NDRL	CHECKED				
	SCALE	NONE	APPROVED				
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