

ELECTRICAL SPECIFICATIONS AT 25 °C

Insertion Loss dB max	Return Loss dB min	Crosstalk(dB TYP)	Common Mode Rejection (dB TYP)	Hipol(vrms)
1-125MHz	1-30MHz	1-100MHz	1-100MHz	1500/0.5mA OR 22500C/0.1mA
-1.2	-18	-30	-30	
	-18+20log(f/30MHz)			

DESCRIPTION

ELECTRICAL: RJ45 With internal Magnetics Connector

Design to support such applications as: Ethernet Equipment Complex, Switches, Routers, Firewalls, Servers and Hub Internal magnetics are 100% electrically tested for functionality per IEEE802.3of/at requirement  
 RoHS peak wave solder temperature rating 235°C  
 High performance for maximum EMI suppression  
 350uH minimum OCL with 8mA bias current; DCR: 1.4 Ohms Max  
 HIPOT: 1.5KVrms MIN, 60S; TURN RATIO: 1:1±3%  
 PoE rating: 15W 350mA, 48V; PoE+ rating: 30W, 750mA, 57V; PoE++ rating: 60W, 1000mA, 57V (For PoE Products only)  
 MECHANICAL: JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.

- INSERTION FORCE: 2 CONTACTS-----350g 4 CONTACTS-----500g  
 6 CONTACTS-----750g 8 CONTACTS-----900g  
 10 CONTACTS-----1050g
- RETENTION STRENGTH: 7.7Kgs BETWEEN JACK AND PLUG
- DURABILITY: 750 MATING CYCLES Min

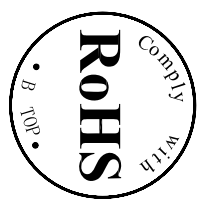
- HOUSING: 1) GLASS FILLED PA66 (UL 94V-0)  
 2) GLASS FILLED PA46/LCP (UL 94V-0)  
 3) GLASS FILLED PBT (UL 94V-0)

- SPRING WIRE: 1) 0.2-0.45mm DIA PHOSPHOR BRONZE GOLD PLATING OVER NICKEL  
 2) 0.2-0.35mm THICKNESS PHOSPHOR BRONZE ALLOY SELECTIVE GOLD PLATING OVER NICKEL  
 3) 0.12-0.24mm THICKNESS COPPER ALLOY WITH TIN PLATED

- SHIELDING: 0.12-0.24mm THICKNESS COPPER ALLOY WITH TIN PLATED
- GOLD PLATING: 3µ", 6µ", 15µ", 30µ", 50µ"

WORKING TEMPERATURE: -40°C~85°C

TOLERANCES UNLESS OTHERWISE SPECIFIED : 0~10±0.15, 10~20±0.2, 20~40±0.25, 40~70±0.3, >70±0.4



"g" with the company code  
 Series of products: 60-Double deck RJ45 connector + transformer series(In shielding footprint); 80-Double deck RJ45 connector + transformer series(In vertical footprint); 30- Single RJ45 + transformer series; 32/35/36/39/56/57/59; Ordinary RJ45 series; 30: that start the series; 40: Conversion set  
 Connectivity: 80: Series that UK 91: Automotive connector model Block; 95: IBM1 the head; 98: IBM1 model Block; 99: SMT series; 96: MS: for surface  
 Family code (sequence id): 1-49  
 Type of product code: G: Gigabit RJ45 transformer; P: PoE RJ45 transformer; F: PoE RJ45 transformer; R: Series for network-card code  
 Number of magnetic ring  
 The No. of circuit

Product definition LOGO: 1 - Press 'B', 'TOP' \* 2 - No 'B' - 'TOP' \* 3 - Other companies LOGO  
 Product definition plastic materials: 1-P, PA66, 2-PA66, 3-PA, 4-PA6, 5-PBT, 6-ABS, 7-PA9T, 8-PC, 9-LCP  
 Pin definition of the product: F - Pin after; B - Pin back; C - No definition of the product  
 Electroplating product definition: gold-plated terminals (depress after nickel plated) 1-F µ" : 2-3 µ" : 3-5 µ" : 4-15 µ" : 5-30 µ" : 6-50 µ" : 7-4N-50 µ" : 8-80-120 µ" : 9-  
 Product shielding definition: 0 - no shielding shell; 1 - without shielding shell; 2 - shielding a shell; 3 - a half-shield shell  
 Products luminous definition: 0 - No LED; 1 - 4in Yellow Right Green; 2 - Left Green Right Yellow; 3 - Double Green; 4 - Double Yellow; 5 - LED straight for the pin; C - A special definition; S - 5in LED  
 Literer LEDs  
 Products out part: "201" "202" "4-24" "5-25" "6-26" "8-28" "A-31" "B-12" "C-14" "D-15" "E-18" "1-18" "U-(880465)" "1-18 UPRN" "1-18 UPR2" "4-18 UPR4"

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DESIGNED	CHECKED	APPROVED	MATERIAL	SCALE	UNIT	MODEL NO.	REV.
Designed	Checked	Approved		1.8:1	mm	BT GP8-19D 15nF	B80020001911