

SMA JACK ST. BULKHEAD NOTES :

FERRULE	BRASS	GOLD PLATED	1	or Equivalent	
CONTACT	BRASS	GOLD PLATED	1	or Equivalent	
BODY	BRASS	GOLD PLATED	1	or Equivalent	
INSULATOR	TEFLON	NONE	1	or Equivalent	
BODY	BRASS	GOLD PLATED	1	or Equivalent	
WASHER	S50C	GOLD PLATED	1	or Equivalent	
NUT	BRASS	GOLD PLATED	1	or Equivalent	
DESCRIPTION	MATERIAL	FINISH	Q	Y	REMARK

NOTES :

1.MATERIAL

- ① SHELL : PHOSPHOR BRONZE, T=0.2±.02mm
- ② CONTACT : PHOSPHOR BRONZE, T=0.12±.02mm
- ③ HOUSING : PBT, BLACK, UL94V-0

2.PLATING :

- ① SHELL : UNDERPLATED 50u"MIN NICKEL ALL OVER, 1u"MIN GOLD IN PLATED AREA.
- ② CONTACT : UNDERPLATED 50u"MIN NI ALL OVER, 1u"MIN GOLD IN PLATED ZONE.

SPECIFICATIONS

ITEM	SPECIFICATIONS	CONDITIONS
Contact resistance	Center : 20m ohms max. Outside : 10m ohms max.	10 mA max.
Insulation resistance	500 M ohms min.	100V DC
Withstanding voltage	No flashover or insulation breakdown.	200V AC /1 minute
V.S.W.R.	1.3 Max at 0.1-3.0GHz, 1.5Max at 3.0-6.0GHz	UP TO 6GHz
Operating temperature range	-40°C TO +90°C	
Nominal impedance	50 ohms	

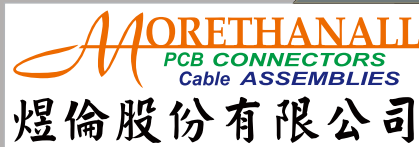
SPECIFICATIO

STYLE	105°C 30V UL1979	SIZE	32AWG
STANDARD :			
Conductor	Size	AWG	32
	Material	----	Silver Cover Copper
	Conductors No.	----	7
	Conductors Size	mm	0.080
Insulation	O.D.	mm	0.240
	Average Thickness	mm	0.220
	Diameter	mm	0.68± 0.02
	Material	----	FEP
Braid Shield	Color	----	Clear
	Material	----	Tinned Copper
	Construction	mm	16 / 4 / 0.050
	Coverage	%	90
Jacket	Diameter	%	0.90
	Average Thickness	mm	0.13
	Overall Diameter	mm	1.13±0.05
	Material	----	FEP
Marking	Color	----	According to custom
	Non		
Drawing			

SPECIFICATIO

Elec trical & Physical Properties						
Item	32AWG					
Rating Temp Voltage	105C 30V					
Conductor Resistance	545OHM/KM/20C MAX.					
Insulation Resistance	1000 MEGA OHM-KM MIN.					
Dielectric Strength	AC 1000 V/Minute					
Spark Test	2.5 KV					
Insulation	Unaged Tensile Strength	2500 PSI MIN.(1.76 Kg/mm.)				
	Unaged Elongation	200% MIN.				
	Aged Tensile Strength	UNAGEDMIN.75%(168 HRSx232C)				
	Aged Elongation	UNAGEDMIN . 75%(168HRSx232C)				
Jacket	Unaged Tensile Strength	2500 PSI MIN.(1.76 Kg/mm)				
	Unaged Elongation	200% MIN.				
	Aged Tensile Strength	UNAGED MIN.75%(168HRS 232C)				
	Aged Elongation	UNAGED MIN.75%(168HRS 232C)				
Nom. Impedance	50±3Ohms					
Nom. Capacitance	96±3 pF/m					
Nom. Vel. of Prop.	69%					
VSWR Test(0 6 GHZ)	Less1.3					
Flame Test	VW-1 OK					
Attenuation (dB/1m)	2GHZ	2.4GHZ	3GHZ	4GHZ	5GHZ	6GHZ
	2.80	3.10	3.50	4.00	4.60	5.10

RoHS Compliant



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DRAWING BY CY	
CHECKED BY GENIUS	
UNIT / mm	SCALE 1 : 1
DATE	
SIZE A4	PPOJECTION

TOLERANCES ARE

- X. ±
- .X ±
- .XX ±
- .XXX ±
- ANG ±



ORDER INFORMATION

MHFSMA-1R1S113-E12C-LF					
SERIES					LEADFREE
				120mm	
					MALE TO FEMALE
					1.13mm DIA CABLE
				RT/ST	

DESCRIPTION: MHF R/A PLUG TO SMA ST. JACK FOR 1.13 Gray cable L=120mm