



**SMA JACK ST. BULKHEAD NOTES :**

BODY	BRASS	GOLD PLATED	1	or Equivalent
INSULATOR	TEFLON	NONE	1	or Equivalent
BODY	BRASS	GOLD PLATED	1	or Equivalent
O-RING	SILICON RUBBER	NONE	1	or Equivalent
CONTACT	BRASS	GOLD PLATED	1	or Equivalent
FERRULE	BRASS	GOLD PLATED	1	or Equivalent
NUT	BRASS	GOLD PLATED	1	or Equivalent
WASHER	SUS-304	GOLD PLATED	1	or Equivalent
DESCRIPTION	MATERIAL	FINISH	Q'TY	REMARK

**Specifications**

Frequency Range : DC up to 6GHz  
 ( V.S.W.R. : 1.3MAX at 0.1~3GHz, 1.4MAX at 3~6GHz)  
 Characteristic Impedance : 50 ohm ( Nominal )  
 Temperature : -40° to +90°  
 Rated Voltage : AC 60V  
 Contact Resistance : 20m ohm MAX.( Signal ) and  
 10m ohm MAX. ( Ground )  
 Withstand Voltage : AC 200V  
 Insulation Resistance : 500M ohm MIN. / DC 100V

**Material and Finish**

Parts	Material	Plating/Color
HOUSING	PBT UL94V-0	NATURAL
CONTACT	COPPER ALLOY	Au
GROUND CONTACT	COPPER ALLOY	Au or Ag

**SPECIFICATION**

Style	UL 1979 105°C 30V	Size	32AWG
Standard :			
Conductor	Size	AWG	32
	Material	----	Silver-Coated Copper
	Conductors No.	----	7
	Construction Size	mm	0.080
	Stranded Diameter	mm	0.240
Insulation	Material	----	FEP
	Color	----	Clear
	Average Thickness	mm	0.22
Braid Shield	Diameter	mm	0.68 ± 0.02
	Material	----	Tinned-Coated Copper
	Construction	mm	16 / 4 / 0.050
	Coverage	%	90
Jacket	Diameter	mm	0.92 ± 0.03
	Material	----	FEP
	Color	----	GRAY
	Average Thickness	mm	0.20
Overall Diameter mm 1.32 ± 0.05			
Drawing	UBIQUITOUS		

**SPECIFICATION**

Electrical & Physical Properties						
Item	32AWG					
Rating Temp Voltage	105°C 30V					
Conductor Resistance	545 OHM / KM / 20°C MAX.					
Insulation Resistance	1000 MEGA OHM/KM MIN.					
Dielectric Strength	AC 1.0 KV/Minute					
Spark Test	2.5 KV					
Insulation	Unaged	Tensile Strength	2500 PSI MIN. ( 1.76 Kg / mm <sup>2</sup> )			
		Elongation	200% MIN.			
	Aged	Tensile Strength	UNAGED MIN. 75% (168HRS×232°C)			
		Elongation	UNAGED MIN. 75% (168HRS×232°C)			
Jacket	Unaged	Tensile Strength	2500 PSI MIN. ( 1.76 Kg / mm <sup>2</sup> )			
		Elongation	200% MIN.			
	Aged	Tensile Strength	UNAGED MIN. 75% (168HRS×232°C)			
		Elongation	UNAGED MIN. 75% (168HRS×232°C)			
Nom. Impedance	50 ± 3 Ohms					
Nom. Capacitance	96 ± 3 pF/m					
Nom. Vel. of Prop.	69%					
VSWR Test (0 – 6 GHZ)	Less 1.3					
Flame Test	VW-1 OK					
Attenuation (dB/1m)	2.0GHZ	2.4GHZ	3.0GHZ	4.0GHZ	5.0GHZ	6.0GHZ
	2.80	3.1	3.5	4.2	5.02	5.4

**RoHS Compliant**



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DRAWING BY CY		TOLERANCES ARE X, ± .X ± .XX ± .XXX ± ANG ±
CHECKED BY GENIUS		
UNIT / mm	SCALE 1 : 1	
DATE		
SIZE A4	PPOJECTION	

照片框

**ORDER INFORMATION**

MHF SMA-1R1S132ONW-E10C-LF  
 SERIES RT/ST LEADFREE  
 100mm MALE TO MALE  
 O-RING+NUT+WASHER  
 RG132

DESCRIPTION: SMA ST. JACK WITH O-RING TO MHF R/A PLUG FOR 1.32 CABLE GRAY L=100mm