

H+W TEST PRODUCTS

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13 Position 500 Mhz Coax / 50 Amp

SBR013CP (Receiver Side)



SBF013CP (ITA-Fixture Side)



Images shown with both Coax and Power contacts for visual reference.
Contacts are sold separately and shipped loose.

Description: The SB(X)013CP interface block, provides for up to 13 coax, power contacts or a combination of both. The coax (crimp type) contacts provide for signals up to 500 Mhz. The power contacts (solder type) provide for current ratings up to 50 Amps and voltages up to 250 Vac. Two alignment pins in the receiver block mate with two bushings in the fixture (ITA) block. Two mounting shoulder screws in the receiver block allow this block to "float" for alignment. These Blocks can be modified to be compatible with PYLON/1280pt Receivers (**consult factory**).

Physical Specifications

Block material.....G-10 fine weave interwoven glass in an epoxy matrix
Block dimensions (inch).....2.345 H x 1.115 W (mm).....59.563 H x 28.321 W
Receiver Alignmentfloating block w/ 2 alignment pins Fixture Alignmentfixed block w/ 2 alignment bushings

Electrical Specifications

Electrical specifications are for mated (receiver with fixture) contact pairs

COAX Contacts

Voltage rating.....250 Vac
Current rating.....1.5 Amps
Contact resistance.....6 milli-Ohms
Impedance.....50 Ohms
Capacitance.....6 pF
Inductance.....3 nH
Frequency Range.....DC to 500 Mhz
Bandwidth (-3 db Roll Off).....500 Mhz
Durability.....25,000 cycles

POWER Contacts

Voltage rating.....250 Vac
Current rating.....50 Amps
Contact resistance.....6 milli-Ohms
Capacitance.....50 pF
Inductance.....3 nH
Bandwidth (-3 db Roll Off).....1 KHz
Durability.....25,000 cycles

G-10 BLOCK Material

Block dimensions (inch).....2.345 H x 1.115 W
Max operating temperature (typical).....266°F/130°C
Dielectric strength per ASTM D 149.....510 Volts/mil
Dielectric constant (100hz - 10,000mhz).....4.40 to 4.80
Surface resistivity (ohms/sq. in) @95% relative humidity...
..... > 10¹²
Dissipation factor @ 1mhz per ASTM D150.....0.019
Permittivity @ 1mhz per ASTM D150.....4.6
Dielectric breakdown per ASTM D 149 per 1/16" matl.....
..... > 40 kv
Coefficient of linear expansion(in. / °C).....length 1.0 x 10⁻⁵
.....crosswise 1.5 x 10⁻⁵

Receiver Side Ordering Information

Blocks and contacts are sold separately

Block only (includes all hardware)**SBR013CP**
Contact only, 50 Ohms SMA (Male/Plug).**CPR013CP**
Contact only, 50 Amp**CPR013PW**

(ITA)Fixture Side Ordering Information

Blocks and contacts are sold separately

Block only (includes all hardware)**SBF013CP**
Contact only, 50 Ohms SMA (Female/Jack).**CPF013CP**
Contact only, 50 Amp**CPF013PW**