imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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SPECIFICATION CONTROL DRAWING				7724S8664		
CHEMINAX	77 OHM, AWG 24, 19 STRANDS OF AWG 36, EMP HARDENED, DATA BUS CABLE, MIL-STD-1553, OUTER SPACE USE			Date: Revision:	7-10-14 E	
THIS SPECIFIC	ATION SHEET FORMS A PART	OF THE LATEST ISSUE OF RAYCH	EM SPECIFICAT	ION 1200.		
CONSTRUCTION DETAILS		ELECTRICAL CHARACTERISTICS				
MENSIONS ARE NOMINAL VALUES I SIGNATED.	CONDUCTORS AWG 24, 19 Strands of AWG 36,	CHARACTERISTIC IMPEDANCE MUTUAL CAPACITANCE ATTENUATION SURFACE TRANSFER IMPEDANCE (Per SAE AS85485)	77 ± 5 ohms, M 30.0 pF/ft. (max 1.4 dB/100 ft. (r 0.2 milliohms/m	timum) naximum) at 1	MHz	
.0250	Silver-Coated High- Strength Copper Alloy DIELECTRICS Low Outgassing, Radiation-Crosslinked, Modified ETFE	ADDITIONAL	REQUIRE	MENTS		
		COMPONENT WIRE PRIOR TO CABLING (Test procedures per SAE AS22759)				
.048		CONDUCTOR RESISTANCE	26.5 ohms/1000			
.032	Colors - Light Blue/White	CROSSLINKING PROOF TEST	300 ± 3°C for 1 .375 lb, 2.5 kV (hour, .625 incl	n mandrel,	
	FILLERS Low Outgassing, Radiation-Crosslinked, Modified ETFE	INSULATION (DIELECTRIC) ELONGATION TENSILE STRENGTH INSULATION FLAWS	·	0% (minimum) 000 lbf/in² (minimum)		
		SPARK TEST IMPULSE TEST INSULATION RESISTANCE LOW TEMPERATURE-COLD BEND	3.0 kV (rms) 8.0 kV (peak) 5000 megohms -65 ± 3°C for 4 1.00 lb, 2.5 kV 0	hours, .750 inc		
.113	1st SHIELD — AWG 38, Silver-Coated Copper,	SHRINKAGE	200 ± 3°C for 1 .125 inch (maxi	hour,	hes	
	Optimized	FINISHED CABLE				
		(Test procedures per NEMA WC 27500,			pecified)	
.125	WRAP — Mu-Metal	BLOCKING CABLE LAY LENGTH CROSSLINKED VERIFICATION FLAMMABILITY (Method B of Spec 1200) JACKET	200°C for 6 hou. .75 inch (minim $300 \pm 5^{\circ}$ C for 6 3 seconds (max no flaming of fa	um), 1.25 inch hours, 6.00 in kimum); 3 inch	ch mandrel	
	2nd SHIELD	ELONGATION TENSILE STRENGTH JACKET FLAWS	50% (minimum) 5000 lbf/in ² (mir			
.142	 AWG 38, Silver-Coated Copper, 	SPARK TEST	1.0 kV (rms)			
	Optimized	IMPULSE TEST JACKET THICKNESS	6.0 kV (peak) .008 inch (nomi			
		LOW TEMPERATURE-COLD BEND VOLTAGE WITHSTAND		$55 \pm 5^{\circ}$ C for 4 hours, 6.00 inch mandrel		
.158	JACKET — Low Outgassing, Destination Outgassing	(DIELECTRIC) WRAP	.002 inch thick (25% overlap (m	· //		
	Radiation-Crosslinked, Modified ETFE	WEIGHT	28.3 lbs/1000 ft			
		OUTER SPACE REQUIREMENTS				
		RADIATION RESISTANCE	500 megarads, 1.0 kV dielectric		drel,	
esignate outer jacket color with a dash number in accordance with		VACUUM STABILITY TOTAL MASS LOSS (TML) VOLATILE CONDENSABLE MATERIAL (VCM)		00% (maximum) 10% (maximum)		
IIL-STD-681. Unless otherwise specified, outer jacket color will be hite (designated by a "-9" appended to the part number, .g. 7724S8664-9). Ither codes and suffixes may be added to the part number, as ecessary, to capture any additional requirements imposed by the urchase order.		WEIGHT LOSS	0.45% (maximu	(imum)		
		ENGINEERING REFERENCE	200°C (maximu	00°C (maximum)		
		Specifications are subject to change with not affect compliance with any specification			oration also	
Page 1 of 1	Cheminax, Raychem, TE C	Connectivity, TE connectivity (logo), and	d TE (logo) are tra	ademarks.		
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