



Small Signal Products

DECLARATION OF MATERIAL CONTENTS SOD 80 PACKAGE

LEAD FREE TINNED



MiniMELF Diode

Prohibited Substances		
Material	Limit ppm	ICP Analysis < ppm
Cadmium	5	5
Asbestos	0	0
Mercury	0	0
Chromium VI	2	0
Polychl. Biphenyle	0	0
Formaldehyde	0	0
Azo Compounds	0	0

MATERIAL CONTENT					
Part	Material	weight mg	% of weight	ppm of total weight	CAS Ni
Leads Tinned 58.60%	Fe	11.03	61.52%	359607	7439-89-6
	Cu	4.86	27.11%	158449	7440-50-8
	Ni	1.55	8.64%	50534	7440-02-0
	Sn	0.44	2.45%	14345	7440-31-5
	CuO	0.05	0.28%	1630	1317-38-0
	TOTAL	17.93			
Package Glass 41.10%	PbO	7.96	62.92%	259517	1317-36-8
	SiO ₂	3.46	27.35%	112805	14808-60-7
	K ₂ O	0.97	7.67%	31625	12136-45-7
	Na ₂ O	0.09	0.71%	2934	1313-59-3
	Al ₂ O ₃	0.09	0.71%	2934	1344-28-1
	BaO	0.08	0.63%	2608	1304-28-5
	TOTAL	12.65			
Silicon Chip 0.30%	Si	0.0741	80.19%	2416	7440-21-3
	Ag	0.0153	16.56%	499	7440-22-4
	SiO ₂	0.0015	1.62%	49	14808-60-7
	PbO	0.0013	1.41%	42	1317-36-8
	Ni	0.0002	0.22%	7	7440-02-0
	TOTAL	0.0924			
Total weight		30.6724			
