



Small Signal Products

DECLARATION OF MATERIAL CONTENTS SOD 80 Q PACKAGE

LEAD FREE TINNED



QuadromELF 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 53.50%	Fe	11.02	61.53%	328356	7439-89-6
	Cu	4.85	27.08%	144513	7440-50-8
	Ni	1.55	8.65%	46184	7440-02-0
	Sn	0.44	2.46%	13110	7440-31-5
	CuO	0.05	0.28%	1490	1317-38-0
	TOTAL	17.91			
Package Glass 46.20%	PbO	9.79	62.96%	291707	1317-36-8
	SiO ₂	4.25	27.33%	126635	14808-60-7
	K ₂ O	1.2	7.72%	35756	12136-45-7
	Na ₂ O	0.11	0.71%	3278	1313-59-3
	Al ₂ O ₃	0.11	0.71%	3278	1344-28-1
	BaO	0.09	0.58%	2682	1304-28-5
	TOTAL	15.55			
Silicon Chip 0.30%	Si	0.0811	80.22%	2416	7440-21-3
	Ag	0.0168	16.62%	501	7440-22-4
	SiO ₂	0.0016	1.58%	48	14808-60-7
	PbO	0.0014	1.38%	42	1317-36-8
	Ni	0.0002	0.20%	6	7440-02-0
	TOTAL	0.1011			
Total weight		33.5611			
