

OPERATING CONDITIONS	Z		LOAD	K _{LF}	K _{HF}	V MAX. (R.M.S.)	B MAX. (PEAK)	TOTAL
	SOURCE	LOAD	SOURCE	REFERRED TO SAME WDG		ACROSS WINDING	KILOGAUSS	HARMONIC AT 50Hz & B MAX
MATCHED						+ 18dB	Our 4219 10	
UNMATCHED	0.5Ω	> 50Ω				SECONDARY		
PERFORMANCE	FREQUENCY RESPONSE		Hz	Hz	URNS	RATIO	P:S	P:T
	LOSS wrt. 1kHz				INDUCTANCE RATIO		1:1	1
BBC SIZE	LAM No.	THICKNESS	STACK	MATERIAL		L/KT ²	ASSEMBLY	
J	MEA	14	9"	UNISIL 51			STANDARD	
	18	mils	16				FULLY INTERLEAVED mils	
WINDING DATA	WINDING		PRIMARY	SECONDARY	TERTIARY		WINDING CONSTR	SCREENING
	No. OF SECTIONS		2 in // 1e	2 in // 1e	1			YES
	TURNS/SECTIONS		203 ^{35±}	185 ^{31±}	16 17			WINDING
	WIRE (GRADE I METRIC)		200mm	280mm	100			STYLE 2
	TOTAL TURNS		203	185	16 see note 1			
MANUFACTURING TEST DATA TO ED115						WINDING		
D.C. RESISTANCE IN OHMS						PRIMARY	SECONDARY	TERTIARY
MIN. INDUCTANCE IN HENRIES AT 60 Hz						0.045		
MAX. A.C. LEVEL ACROSS BRIDGE -20 -50 dB								
MIN. INDUCT. IN HENRIES AT Hz WITH ADC								
MAX. LEAKAGE INDUCTANCE IN mH @ 10kHz						0.135	.110	.009
TURNS RATIO						1	0.911	.079
MAX. SELF-CAPACITY AT kHz								
CAPACITY BALANCE 1kHz								
MAX. 10kHz								
MAX. LEAKAGE INDUCTANCE IN mH						.140	.120	.009
MEASURED ON ESI BRIDGE (1kHz)								
						DESIGNED BY R.N.R.		
						DATE AS ISS. 1		
						FOR AM7/12		
						CHANGES		
						RE-ISSUE		
						SIG. DATE ISS		
						B240 = 4820 gauss + 1 18dB = 6.15V See over		
NOTE 1:								
START TERTIARY WINDING APPROX								
8mm FROM SIDE CHEEK SO THAT FINISHED								
WINDING IS CENTRAL ON BOBBIN WAS BY 579/J9								

This drawing/specification is the property of the British Broadcasting Corporation and may not be reproduced or disclosed to a third party in any form without the written permission of the corporation.