



MANTECH

MANTECH ELECTRONICS (PTY) LTD

A MOBICON COMPANY

Leading Suppliers of Electronics, Electrical & Technical
Parts, Components, Tools, Instruments & Consumables

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COLOUR CODES				
	1 ST BAND	2 ND BAND	3 RD BAND	TOLERANCE BAND
BLACK	0	0	x 1	
BROWN	1	1	x 10	Brown 1 %
RED	2	2	x 100	
ORANGE	3	3	x 1,000	Red 2 %
YELLOW	4	4	x 10,000	
GREEN	5	5	x 100,000	Gold 5 %
BLUE	6	6	x 1,000,000	
VIOLET	7	7		Silver 10 %
GREY	8	8		
WHITE	9	9		
Gold			x 0.1	
Silver			x 0.01	

CAPACITOR CONVERSIONS	RESISTOR CONVERSIONS	EXAMPLES OF MARKINGS
pF = Pico Farad nF = Nano Farad uF = Micro Farad	1m Ohm = 1 Mili Ohm 1K Ohm = 1 Kilo Ohm 1M Ohm = 1 Mega Ohm	
1,000 pF = 1 nF	1m Ohm = 0.001 Ohm	0E33 = 0.33 Ohms
1,000nF = 1uF	100 m Ohm = 0.1 Ohm	0R1 = 0.1 Ohm
0.1uF = 100nF	1,000 m Ohm = 1 Ohm	3R3 = 3.3 Ohms
0.01uF = 10nF	1K Ohms = 1,000 Ohms	2N2 = 2.2nF
0.001uF = 1nF	1M Ohm = 1,000,000 Ohms	4P7 = 4.7pF

BAG CONTENTS									
RESISTORS (10 each)				CERAMIC CAPS (5 each)			TANTALUM CAPS (5 each)	CABLES & LEADS	
2R7	270R	12K	560K	2p2	220p	8n2			
5R6	560R	27K	1M2	4p7	470p	10n	1uF	5 Crocodile Clip - Banana leads	
12R	1K	56K	2M7	10p	1n0	22n		1 Banana-Banana lead	
27R	2K7	100K		22p	2n2	47n		3 BNC- Crocodile lead	
56R	5K6	120K		47p	3n3	68n	10uF	1 Oscilloscope probe	
120R	10K	270K		100p	4n7	100n		1 Bread Board	