Title	Atlas DCA - Semiconductor Analyser (Model DCA55)			
	Atlas DEA - Semiconductor Analyser (Woder DEASS)			
Catalogue copy	Connect any way round to automatically identify and r devices. The DCA55 will automatically identify the ty parameters. Components supported include bipolar NP protected transistors, transistors with built-in resistors, mode MOSFETs, diodes, diode networks, LEDs, 2 and more. Further measurements are displayed including tr drops, LED voltages, MOSFET threshold voltages and anything about the part, just connect it in any configura of part for you and also identify all the leads. Supplied battery and illustrated user guide. Not designed for in-	pe of the par PN/PNP tran enhancemen d 3 lead bico ransistor gain l much more ation and the with univer	rt, pinout sistors, da nt mode M lour LED n, leakage 2. Even if e DCA55 sal gold p	and many con arlingtons, dio AOSFETs, dep os, JFETs and c current, pn v you don't kno will identify t	npone de- pletio many oltag w he ty
	 Key Features: Automatic pinout detection and identification, construction (Automatic part type identification). Supports semiconductors including transistors, More. Detection of special component features such as built-in resistors. Transistor gain measurement. Transistor leakage measurement. MOSFET gate threshold measurement. Semiconductor voltage drop measurement. Supplied with gold plated red/green/blue university 	MOSFETs, c	liodes, LE with diode	EDs, JFETs an	
Specification	Parameters	Minimum	Typical	Maximum	Note
Summary	Peak test current into S/C	-5.5mA	Typical	5.5mA	1
	Peak test voltage across O/C	-5.1V		5.1V	1
	Measurable transistor gain range (H _{FE})	4		65,000	2
	Transistor gain accuracy (for H _{FE} <1000)	-3%-5 H _{FE}		+3%+5 H _{FE}	2,9
	Transistor V _{CEO}	2.0V		3.0V	2
	Transistor V _{BE} accuracy	-2%-20mV		+2%+20mV	9
	V _{BE} threshold for Darlington identification		0.9V		3
	V _{BE} threshold for Darlington identification (shunted)		0.8V		4
	Acceptable transistor V _{BE}			1.8V	
	Base-emitter shunt resistance threshold		60k		
	Transistor collector-emitter test current	2.45mA	2.50mA	2.55mA	
	Acceptable transistor collector leakage		1.25mA		6
	MOSFET gate threshold range	0.1V		5.0V	5
	MOSFET gate threshold accuracy	-2%-20mV		+2%-20mV	5
	MOSFET drain-source test current	2.45mA	2.50mA	2.55mA	
			8k		
	MOSFET minimum acceptable gate resistance		<u> </u>		
	MOSFET minimum acceptable gate resistance Thyristor/Triac gate test current Thyristor/Triac load test current		ок 4.5mA		7

DCA55 Resources

DCA35 Resources				1	age 2 01
	Diode test current			5mA	
	Diode forward voltage accuracy	-2%-2mV		+2%+2mV	
	V _F threshold for LED		1.50V		
	Short circuit detection threshold		10 ohms		
	Battery type	G	P23A 12V	/ Alkaline	
	Battery voltage range	7.50V	12V		
	Battery voltage warning threshold		8.25V		
	Inactivity power-down period		30 secs		
	Dimensions (excluding test leads)		103 x 70 x	x 20 mm	
	Operating temperature range	0°C		50°C	8
	 Between any pair of test clips. Collector current of 2.50mA. Resistance across reverse biased base-emitter > Resistance across reverse biased base-emitter < Drain-source current of 2.50mA. Collector-Emitter voltage of 5V. Thyristor quadrant 1, Triac quadrants I and III. Subject to acceptable LCD visibility. BJT with no shunt resistors. 				
Photography	Received and the second of the				
Other Downloads	dca55_userguide_en.pdf dca55_datasheet_en.pdf				
Dimensions per product (excluding leads)	103 x 70 x 20 mm				
Dimensions per product (packaged)	200 x 138 x 30 mm				
Weight per product (nett)	0.098kg				
Weight per product (packaged inc docs)	0.154kg				

Bulk order multiple	20, 80
Harmonisation / Commodity Code	9030 8200 GB
Fundamental Materials	Plastic, glass and metal.
Country of manufacture	England (UK)
Certification	CE, WEEE, ROHS
Keywords	peakelec, peak electronic design, peak electronics, peak electronic, Peak Atlas, Atlas, DCA55, DCA50, DCA50e, Atlas DCA, DCA, Semiconductor tester, semiconductor analyser, semiconductor analyzer, transistor tester, transistor analyser, transistor analyzer, component tester, component analyzer, component analyzer, component identifier, semiconductor identifier.
Suitable Accessories	<u>UPS56, ATC55, ATC01, GP23A</u>

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